

IN THE CLAIMS:

Please cancel claims 1-33 without prejudice or disclaimer, and substitute new claims 34-66 therefor as follows:

Claims 1-33 (Cancelled).

34. (New) An electronic device for viewing images comprising a viewing surface, said viewing surface being substantially continuous and having a plurality of directions of frontal observation distributed continuously in an angular field of observation.

35. (New) The device as claimed in claim 34, wherein said angular field of observation is no smaller than 180°.

36. (New) The device as claimed in claim 34, wherein said angular field of observation is substantially equal to 360°.

37. (New) The device as claimed in claim 34, wherein said viewing surface is a surface with single curvature.

38. (New) The device as claimed in claim 34, wherein said viewing surface is a surface with double curvature.

39. (New) The device as claimed in claim 34, wherein said viewing surface is a convex surface.

40. (New) The device as claimed in claim 34, wherein said viewing surface has, at least in part, cylindrical shape.

41. (New) The device as claimed in claim 40, wherein said viewing surface is substantially cylindrical.

42. (New) The device as claimed in claim 34, wherein said viewing surface comprises at least a flexible, curved viewing element.

43. (New) The device as claimed in claim 34, wherein said viewing surface comprises a plurality of viewing elements.

44. (New) The device as claimed in claim 43, comprising a module for processing video signals capable of being fed with an incoming video stream and capable of dividing said stream into a plurality of sub-streams, each of which is sent to one of said display elements of said plurality of sub-streams.

45. (New) The device as claimed in claim 34, wherein said viewing surface is obtained with a LED, OLED or TFT viewing structure.

46. (New) The device as claimed in claim 34, comprising a processing module associated therewith capable of being fed with a stream of video signals representing a panoramic image having an extension in the direction of the width, said processing module being capable of varying the position of representation of said panoramic image on said viewing surface with a sliding effect of said panoramic image in the direction of said width.

47. (New) The device as claimed in claim 34, comprising at least a loudspeaker for the reproduction of an audio signal associated with said viewing surface.

48. (New) The device as claimed in claim 47, comprising a plurality of loudspeakers distributed in said angular field.

49. (New) The device as claimed in claim 48, comprising a display module for driving the viewing of an image on said viewing surface and an audio reproduction

module for reproducing respective audio signals through the loudspeakers of said plurality.

50. (New) The device as claimed in claim 49, wherein said display module and said audio reproduction module are operatively connected to convey to each of the loudspeakers of said plurality a respective audio signal referred to the portion of image displayed in a portion of said viewing surface adjacent to said loudspeaker.

51. (New) The device as claimed in claim 34, comprising an imaging unit for capturing panoramic images.

52. (New) The device as claimed in claim 51, wherein said imaging unit comprises anamorphic optics.

53. (New) The device as claimed in claim 51, configured to reproduce on said viewing surface the images captured by said imaging unit.

54. (New) The device as claimed in claim 51, wherein said imaging unit is located in a remote position relative to said display unit.

55. (New) The device as claimed in claim 54, wherein said imaging unit is connected to said device by means of a telecommunication channel.

56. (New) The device as claimed in claim 51, wherein said imaging unit and said viewing surface are mounted on a common support.

57. (New) The device as claimed in claim 51, wherein said imaging unit and said viewing surface have a common main axis.

58. (New) The device as claimed in claim 51, wherein said imaging unit is, at least in part, located in an inner position relative to said viewing surface.

59. (New) The device as claimed in claim 51, wherein said imaging unit is located in a distanced position relative to said viewing surface.

60. (New) The device as claimed in claim 51, comprising at least a network interface configured to:

transmit to a homologous device the panoramic images captured by said imaging unit, and

receive from said homologous device image signals to be displayed on said viewing surface.

61. (New) The device as claimed in claim 60, wherein said device comprises at least an interface configured to allow communication with said homologous device by means of a communication network.

62. (New) The device as claimed in claim 61, wherein said communication network is selected from the group of a wide area network, the internet and a WLAN network.

63. (New) The device as claimed in claim 61, wherein said at least one interface is configured to allow a wireless communication.

64. (New) A videoconference facility comprising at least a device as claimed in claim 60.

65. (New) A videoconference network comprising at least a first and a second device as claimed in claim 60, capable of connecting with each other.

66. (New) A method for viewing images, comprising the steps of
generating a stream of video data representative of a panoramic image;
providing a viewing device as claimed in claim 34; and

feeding said stream of data to said viewing device, causing said panoramic image to be displayed on said viewing surface of said device.